



Local forecast by "City, St" or "ZIP"

City, St



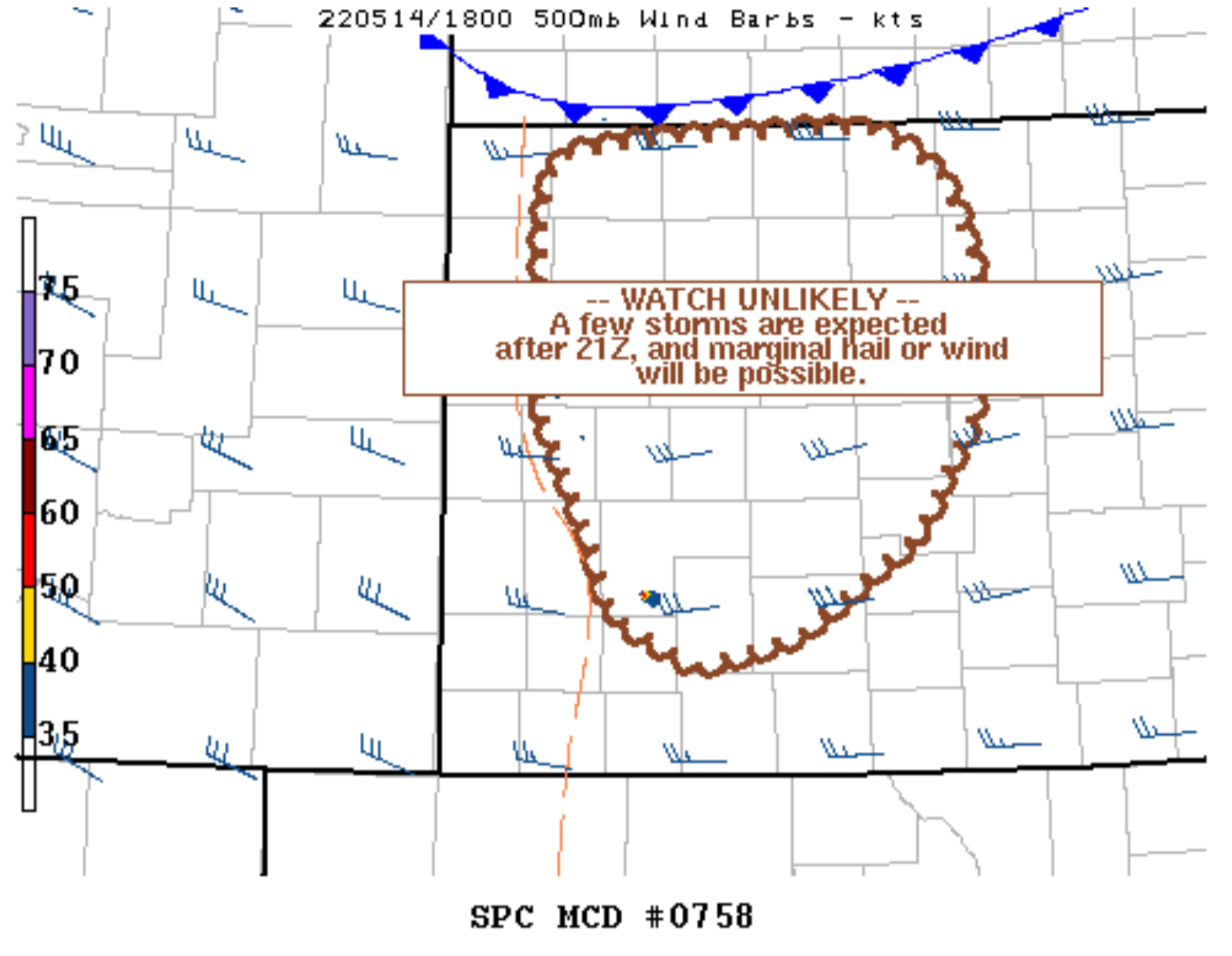
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Mesoscale Discussion 758

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Mesoscale Discussion 0758
 NWS Storm Prediction Center Norman OK
 0256 PM CDT Sat May 14 2022

Areas affected...western Kansas

Concerning...Severe potential...Watch unlikely

Valid 141956Z - 142230Z

Probability of Watch Issuance...20 percent

SUMMARY...Isolated cells are expected to form by 21Z, and marginal hail or gusty winds may occur.

DISCUSSION...Visible imagery shows an expansive CU field across western KS, near a weak surface trough and south of a cold front nearing the NE/KS state line. Continued heating and weak convergence near the boundary should yield isolated thunderstorms perhaps by 21Z, and persisting for a few hours.

Boundary-layer moisture quality appears poor, as dewpoints continue to mix into the 50-55 F range and total PWAT is generally around 0.75" inches. However, pockets of slightly better moisture may exist across northwest KS where moisture convergence persists near the boundary.

Winds below 700 mb are weak, but do veer with height. Hodographs lengthen in the mid and upper levels with speeds of 50 kt toward EL level. As such, a few slow-moving thunderstorms are anticipated, with marginally severe hail possible. Deep mixed layers also suggest gusty outflow winds will be possible.

..Jewell/Grams.. 05/14/2022

...Please see www.spc.noaa.gov for graphic product...

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